



LONG-RANGE THERMAL
DETECTION SYSTEM

UNITEC-M100



The UNITEC-M100 is the best-in-class thermal observation system designed for long-range detection and reconnaissance. Equipped with state-of-the-art thermal engines and electronics built around it, the UNITEC-M100 offers highly sought-after features while retaining economic price. It is the optimal 24/7 observation solution oriented towards budget-savvy clients.



KEY FEATURES

- ♦ Auto-NUC FPA: 384x288 and 640x480
- ♦ 50Hz Refresh Rate
- ♦ Moose Detection Range: up to 2700m
- ♦ Optional Built-In Video Recorder
- ♦ Up to 10 Hours Battery Life
- ♦ ITAR-Free System: Available for Export

MAIN APPLICATIONS

- ♦ Wildlife Observation
- ♦ Defence
- ♦ Security
- ♦ Surveillance
- ♦ Border Patrol
- ♦ Reconnaissance

Designed, Developed, Manufactured by GENERAL STARLIGHT COMPANY INC.

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DISCLAIMER. Technical description, view, weight, dimensions, some optical-electronic-mechanical features of the product shown herein and/or some of its parts/components may not precisely represent the actual device and are subject to change without prior notice by the sole discretion of General Starlight Company, Inc.
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LONG-RANGE THERMAL DETECTION SYSTEM

UNITEC-M100

	UNITEC-M100-38	UNITEC-M100-64
Optical Magnification	6X	4X
Objective Lens	100mm, f/1.4	
Field of View	3.7°x2.8°	6.2°x4.7°
Focusing Range	5m .. Infinity	
Diopter Adjustment Range	-6 .. +4	
FPA Resolution and Pitch	384x288, 17μm	640x480, 17μ
FPA Type	Uncooled, a-Si, Shutterless, Silent, Auto-NUC (Uninterrupted Operation)	
FPA Sensitivity	<60mK	
FPA Refresh Rate	50Hz	
Digital Zoom	2X and 4X	
Display	AMOLED, Colour, 800x600	
Imaging Modes	1 Monochrome + 8 Colour	
Digital Video Recorder	Optional: Built-In with microSD Card or External with SD Card	
Detection Moose (1.7x0.5m)	Up to 3330m	
Detection Vehicle (2.3x2.3m)	Up to 4500m	
Accepted Batteries	4pcs AA, any kind: Lithium, Rechargeable, Alkaline, etc.	
Battery Life	Up to 10 Hours	
Environmental Protection	IP66, IP67 or Better	
Dimensions	280x105x105mm	
Weight	960 grams	
Operating Temperature	-40°C .. +50°C	
Warranty	7 Years, Limited	
Export	Available Worldwide (Canadian Export Permit Required. GSCI provides assistance in obtaining the Permit.)	

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DISTINCTIVE FEATURES

- High-Resolution FPAs: 384x288 or 640x480
- Fast Refresh Rate: 50Hz
- Quality, "Fast" Low-F-Number Germanium Lens
- Ultra-Low Power Consumption
- Optional Built-In Video Recorder
- Stadiametric Rangefinder (SRF)
- Stow Safety Feature (SSF)
- Completely Silent System Operation
- Precision-Machined Rugged Aluminum Body
- Video-out for External Display and Recording
- High-Resolution Colour AMOLED Display 800x600
- 24-hour Operation
- Manual and Automatic FPA Sensitivity Adjustment
- Manual Display Brightness Adjustment
- Black Hot / White Hot Polarity Control
- Universal Power Solution: AA, USB-powered, etc.
- Complete Dust- and Waterproof Protection
- Made in Canada. Available for Worldwide Export
- 7-Year Manufacturer's Warranty

Full-Size Ergonomic Keypad
with Tactile Feedback

Hard-Anodized
Aluminum Enclosure

800x600 Colour
AMOLED Display

640x480 and 384x288
High-Performance FPAs

Non-Uniformity Correction (NUC, calibration) of FPA is performed automatically, instantly and continuously to deliver crisp and highest image quality at all times. Auto-NUC technology results in no "clicks", no interruptions in device's operation. User is not distracted to perform any FPA calibrations whatsoever.



Universal Port: Power,
Video, Remote

Up to 10 Hours
Battery Life

Fast Objective Lenses with
High-Grade Germanium Glass



LONG-RANGE THERMAL
DETECTION SYSTEM

UNITEC-M100

STANDARD ACCESSORIES: WHAT'S IN THE BOX



UNITEC-M100
Scope



Demist
Shield



Quick-Swap
Battery Holders



USB Power
Cable



Video-Out
Cable



Soft Carrying
Pouch



Hard Waterproof
Case

OPTIONAL ACCESSORIES



Built-In Video Recorder (comes with 32GB microSD card and SD adapter)



External Video Recorder with SD Card



Wired Remote Control with Video-Out



LONG-RANGE THERMAL
DETECTION SYSTEM

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OPTIONAL ACCESSORIES (CONTINUED)



Video-Out to USB Adapter



Portable Head-Mounted Display HMD-800/HMD-800-MOD (streams thermal video directly from the device)